

Chemical process pumps

The performance range comprises flow rates of up to 600 m³/h (2,650 USgpm), heads of up to 150 m (500 ft) LC and temperatures of -60 to 200 °C (-75 to 400 °F). Thanks to their sturdy design and consistent emphasis on high reliability, Richter pumps are also optimally suited for use under arduous operating conditions. They are available as mechanically sealed and magnetic drive pumps to EN DIN 24256/ISO 2858 and ANSI/ASME B 73.3 in frame-mounted and close-coupled designs. Lining materials are PFA, PTFE and PE-UHMW as well as PFA-L (antistatic).

Innovative self-priming pumps, vortex and peripheral pumps as well as customised solutions round off the range. Magnetic drive pumps with dry-run-optimised SAFEGLIDE® PLUS plain bearings and for solids contents of up to 30 % are some of the crucial Richter innovations in pump technology. We offer conformity to ATEX, the German Clean Air Act and FDA.



Magnetic drive chemical process pumps, frame-mounted, PFA/PTFE and PE-lined



Magnetic drive and mechanical seal chemical process pumps of space-saving, close-coupled design, PFA/PTFE and PE-lined



Self-priming chemical process centrifugal pumps with magnetic drive or mechanical seal, PFA/PTFE-lined



Mechanical sealed chemical process pumps, frame-mounted and close-coupled designs, PFA/PTFE and PE-lined



Chemical process peripheral pumps with magnetic drive, PFA/PTFE-lined



Vortex pumps with magnetic drive or mechanical seal, PFA/PTFE and PE-lined

Your safety is our goal. Worldwide.

Our corporate objective is safe chemical engineering. Customer-orientated solutions are our strength.

Ensuring your process plant works safely and reliably. Worldwide.

Richter Chemie-Technik:
More than 50 years of technology leadership in chemical and pharmaceutical process engineering.

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Kempen was founded more than 700 years ago and has a beautiful historical town centre.



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Richter products are known worldwide for their reliability and exemplary safety in complex plants, also under extremely difficult conditions, e.g. with elevated temperatures and high solids contents or highly permeating media.



Product effectiveness and advice on applications go hand in hand; we therefore place great emphasis on staff and customer training courses.

Your requirements are our benchmark

The continuous development of new customer and process-orientated solutions characterises the special value of our work. Our innovations have established themselves as trend-setting and state of the art. Maintaining this position is a challenge which we confront anew every day.

Some examples of pioneering developments are:

- » Globe control valves RSS with heavy-duty bellows and a unique seat/plug design for even the smallest k_v/C_v values
- » Control valves KNR with a special V-control ball and play-free torque transmission
- » Cavity-free sealless sampling valves PA
- » Safety valves KSE, KSEA and LPV for vapours, gases and fluids special chlor-alkali electrolysis design
- » Magnetic drive chemical process pumps MNK and RMA with eddy-current-free can systems
- » SAFEGLIDE® PLUS: dry run-optimised plain bearings for magnetic drive pumps
- » Vortex pumps, self-priming pumps and peripheral pumps for demanding applications
- » SAFERUN® condition monitoring for magnetic drive pump MNK
- » Magnetic drive PFA/PTFE lined pumps to 600 m³/h

Valves and control equipment

The Richter product range of corrosion-resistant shut-off, safety, sampling and check valves, sight glasses as well as control equipment for control and shut-off functions is virtually complete.

These products are made to ISO/DIN PN16/PN25 and ASME/ANSI Cl. 150 and 300 lbs for temperatures from -60 to 200 °C (-75 to 400 °F). They excel through robust design and long service life.

The body is manufactured from ductile cast iron EN-JS 1049/ ASTM A395 or stainless steel, absorbing pressure and pipework forces. Thick-walled, vacuum-resistant linings PFA, PTFE, and PFA-L (antistatic) offer particularly high resistance to corrosion.

Special pure media versions and a comprehensive options package round off the range.

Certified series in compliance with the German Clean Act and with FDA are available.



Shut-off ball valves, control valves, PFA-lined, flange and sandwich designs



Shut-off and control butterfly valves, PFA/PTFE-lined, sandwich and lug-style designs



Diaphragm shut-off and control valves, PFA/PTFE-lined



Bellows-sealed control and shut-off valves, PFA/PTFE-lined



Sampling valves, sealless, PFA-lined, stainless steel



Sight glasses, 2 and 3-way designs, PFA/PTFE-lined



Safety valves for vapours, gases and fluids, PFA/PTFE-lined



Overflow, pressure-relief and thermal expansion valves, sealless, PFA-lined



Low-pressure safety valves, for container venting and aeration, PFA/PTFE-lined



Strainers, PFA-lined



Ball-type drain valves, PFA-lined



Bottom drain valves, PFA/PTFE-lined



Check valves, PFA/PTFE-lined

Richter valves and control equipment can be fitted with many various types of actuators, control and monitoring components to suit your requirements.

Customer wishes and works standards take priority but in many cases Richter can offer attractive alternatives both in terms of technology and prices.

We are only too pleased to put our efficiency to the test.

SAFEGLIDE® = TM Richter Chemie-Technik GmbH
Richter = TM Richter Chemie-Technik GmbH
Hastelloy® = TM Haynes
Monel® = TM Special Metals Corp.

Chemical process pumps, shut-off, control and safety valves for corrosive, hazardous, contaminated, pure and high-purity fluids

THE RICHTER PRODUCT RANGE